

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082619\
 Data File : VW012194.D
 Acq On : 27 Aug 2019 01:34
 Operator : SY/VA
 Sample : K4451-01
 Misc : 6.56G/5ML/MSVOA W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 B-1

Manual Integrations
 APPROVED

MMDadoda
 8/27/2019 11:04:47 AM

Quant Time: Aug 27 06:45:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	161867	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	299833	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	246465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	110170	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	147136	76.47	ug/l	0.00
Spiked Amount						
			Recovery	=	152.94%	
35) Dibromofluoromethane	7.88	113	92895	51.90	ug/l	0.00
Spiked Amount						
			Recovery	=	103.80%	
50) Toluene-d8	10.32	98	410591	56.58	ug/l	0.00
Spiked Amount						
			Recovery	=	113.16%	
62) 4-Bromofluorobenzene	12.62	95	144710	56.57	ug/l	0.00
Spiked Amount						
			Recovery	=	113.14%	

Target Compounds

					Qvalue	
17) Carbon Disulfide	4.37	76	6997	1.426	ug/l	97
31) Cyclohexane	7.94	56	15374	4.436	ug/l #	76
39) Methylcyclohexane	9.34	83	88118	25.315	ug/l	94
67) Ethyl Benzene	11.73	91	32769	3.505	ug/l	99
68) m/p-Xylenes	11.85	106	3880	1.152	ug/l #	51
73) Isopropylbenzene	12.46	105	244373	29.602	ug/l	100
78) n-propylbenzene	12.80	91	405544	40.241	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	314001	45.520	ug/l	99
83) tert-Butylbenzene	13.21	119	20300	3.474	ug/l #	74
84) 1,2,4-Trimethylbenzene	13.25	105	236526	34.134	ug/l	98
85) sec-Butylbenzene	13.38	105	715195	85.433	ug/l	90
86) p-Isopropyltoluene	13.50	119	263274	35.215	ug/l	99
89) n-Butylbenzene	13.82	91	390126m	52.474	ug/l	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

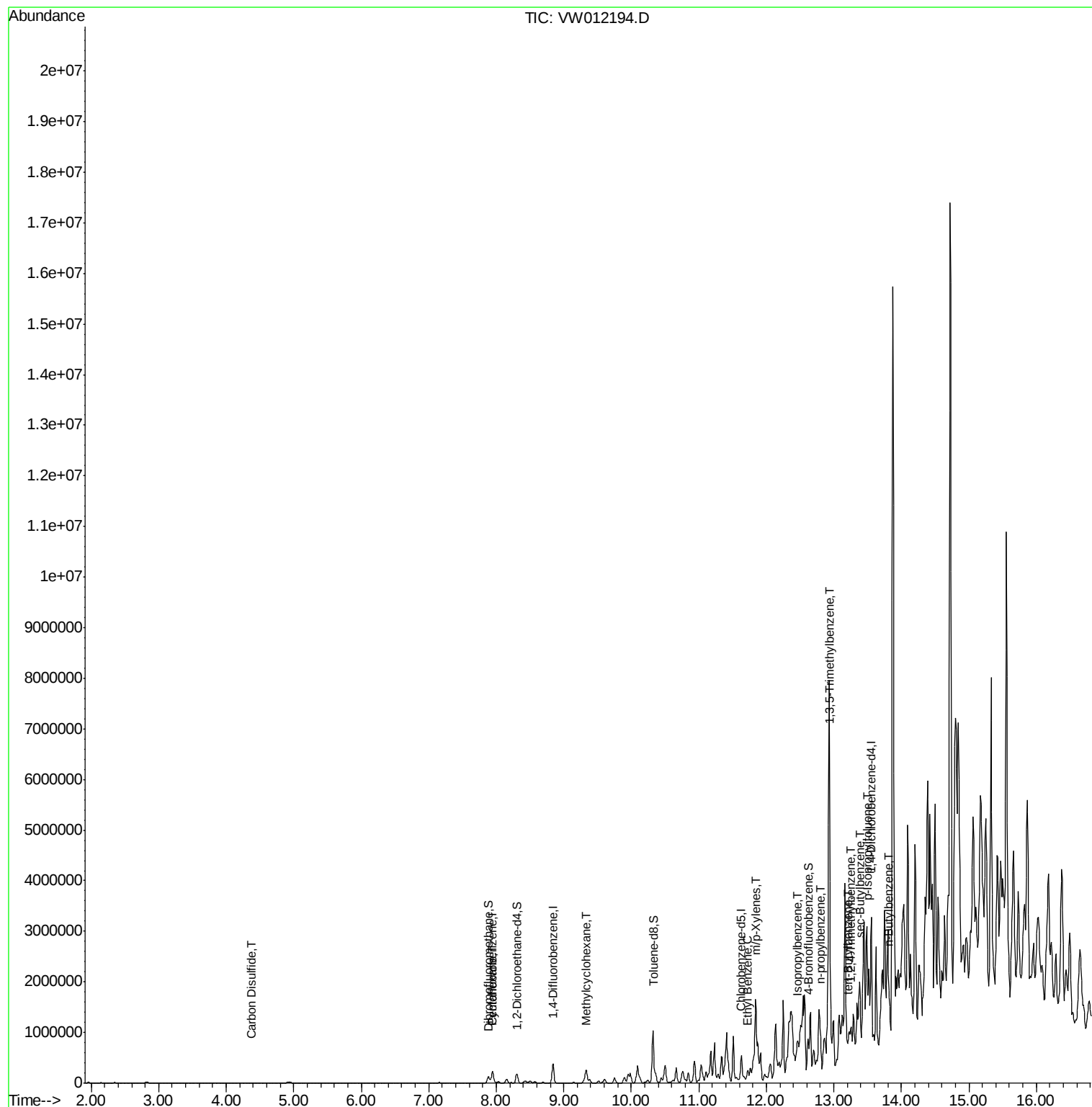
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW082619\
Data File : VW012194.D
Acq On : 27 Aug 2019 01:34
Operator : SY/VA
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MSVOA_W
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QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012194.D

Acq: 27 Aug 2019 01:34

Instrument :

MSVOA_W

ClientSampled :

B-1

Tot Ion:168 Resp: 161867

Ion Ratio Lower Upper

168 100

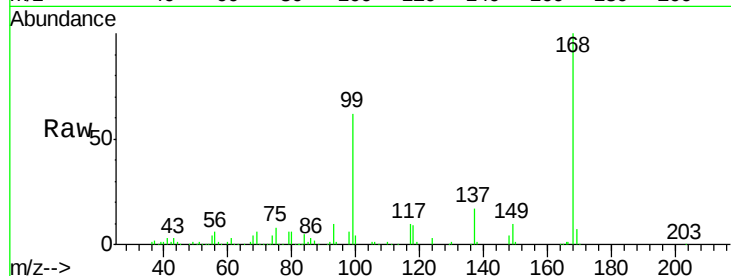
99 62.2 49.2 73.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

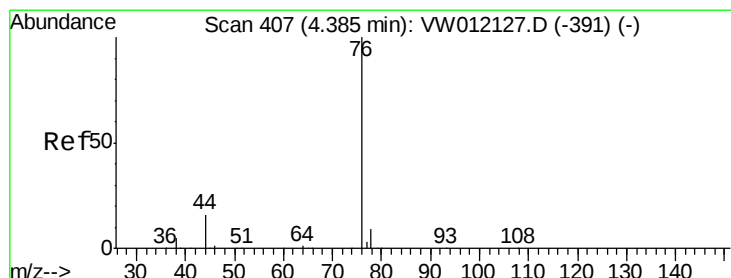
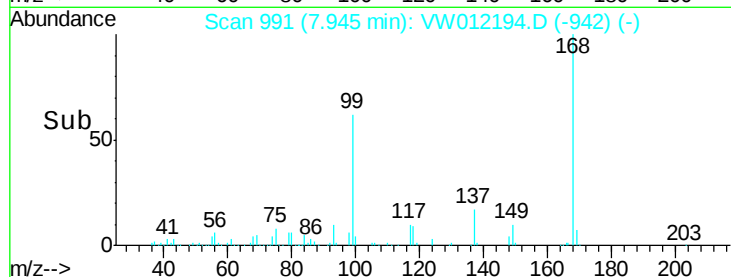
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#17

Carbon Disulfide

Concen: 1.426 ug/l

RT: 4.37 min Scan# 404

Delta R.T. -0.02 min

Lab File: VW012194.D

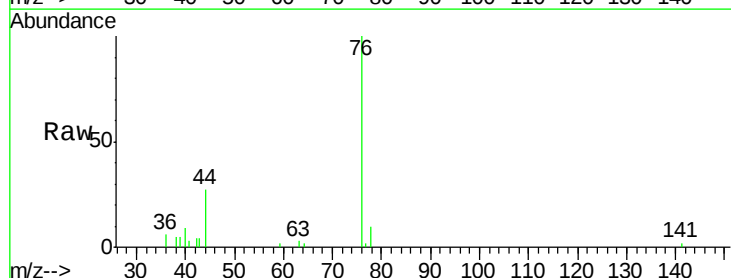
Acq: 27 Aug 2019 01:34

Tgt Ion: 76 Resp: 6997

Ion Ratio Lower Upper

76 100

78 10.2 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.37

2500

2000

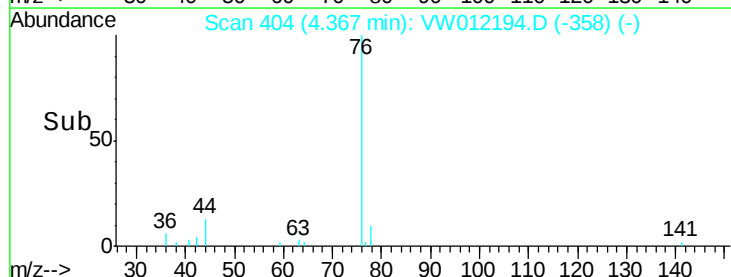
1500

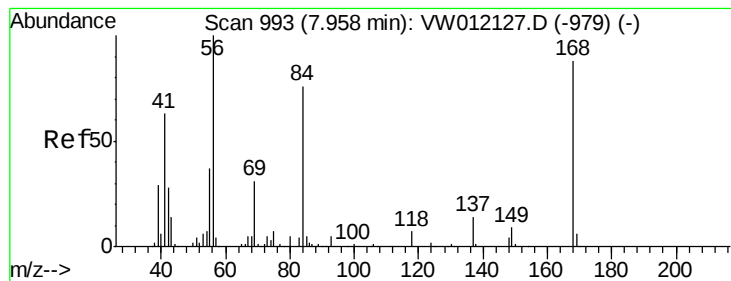
1000

500

0

Time--> 4.30 4.40 4.50





#31

Cyclohexane

Concen: 4.436 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012194.D

Acq: 27 Aug 2019 01:34

Instrument :

MSVOA_W

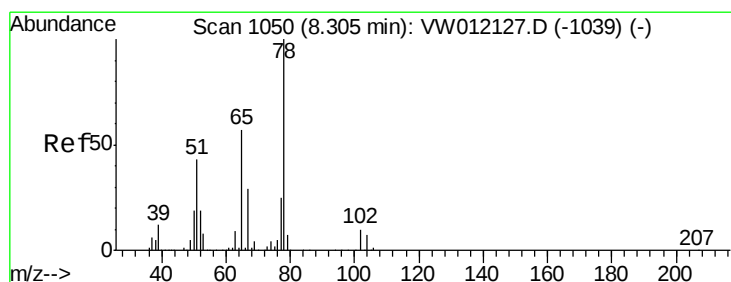
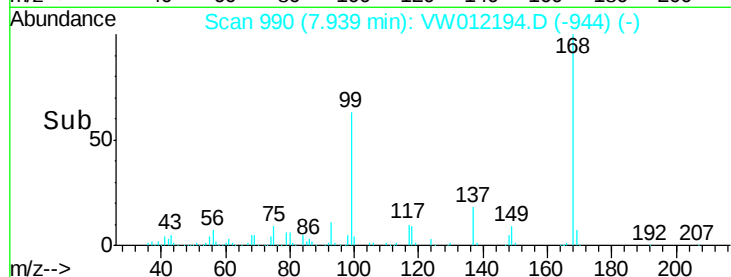
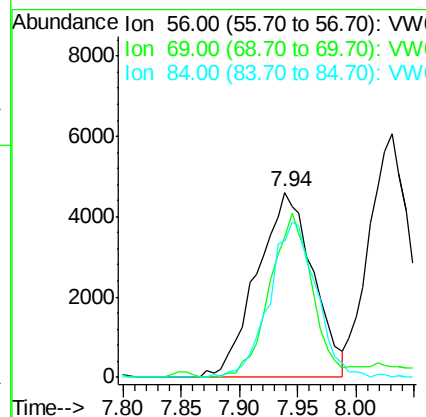
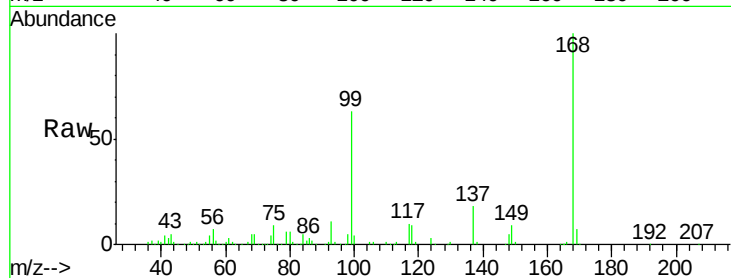
ClientSampled :

B-1

Tot Ion:	56	Resp:	15374
Ion Ratio	Lower	Upper	
56	100		
69	73.9	24.9	37.3#
84	73.8	60.6	90.8

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#33

1,2-Dichloroethane-d4

Concen: 76.466 ug/l

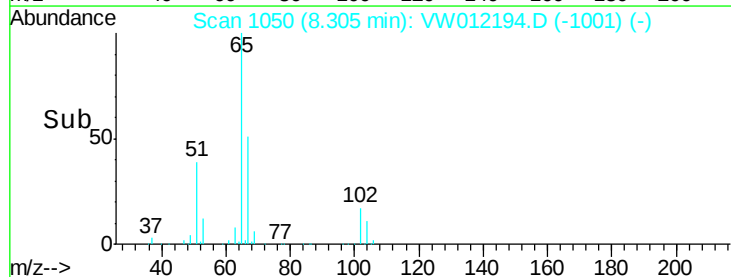
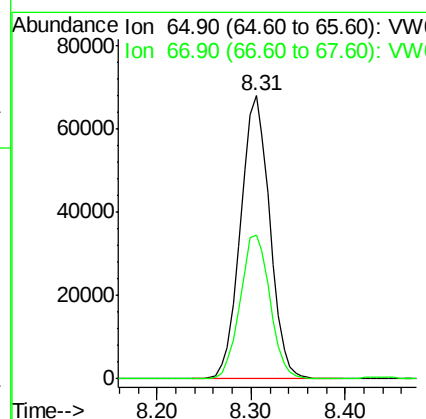
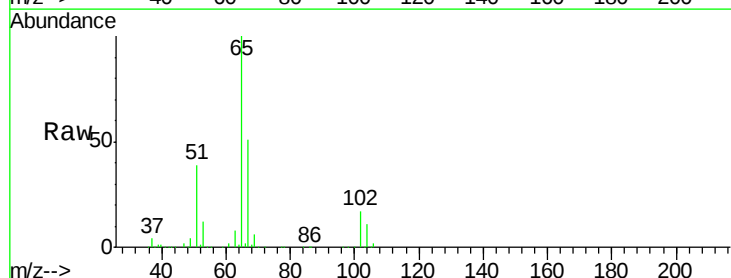
RT: 8.31 min Scan# 1050

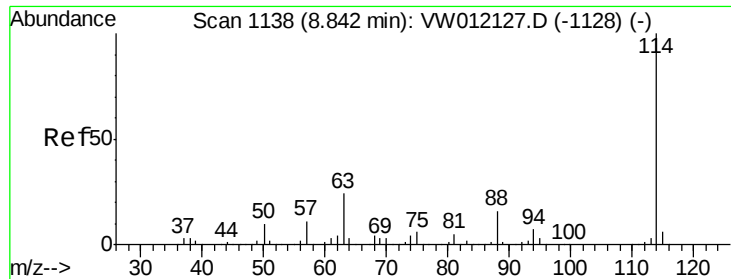
Delta R.T. -0.00 min

Lab File: VW012194.D

Acq: 27 Aug 2019 01:34

Tgt Ion:	65	Resp:	147136
Ion Ratio	Lower	Upper	
65	100		
67	51.4	0.0	102.6





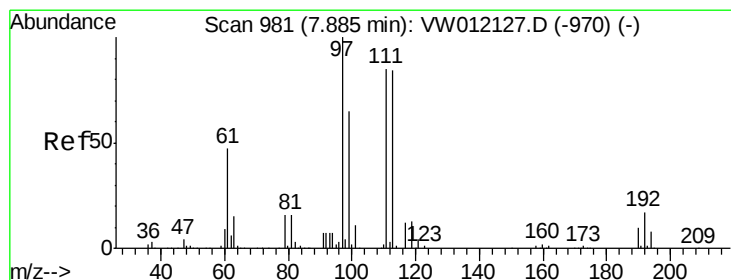
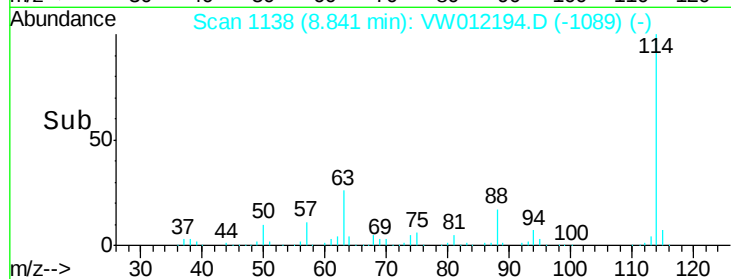
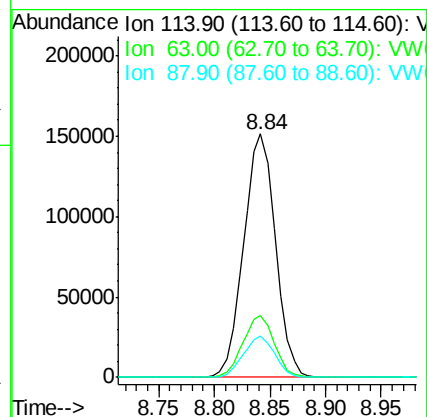
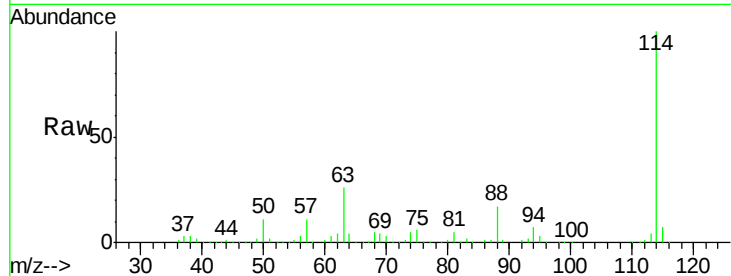
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012194.D
 Acq: 27 Aug 2019 01:34

Instrument :
 MSVOA_W
 ClientSampleId :
 B-1

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	25.6	0.0	48.6
88	17.0	0.0	32.2

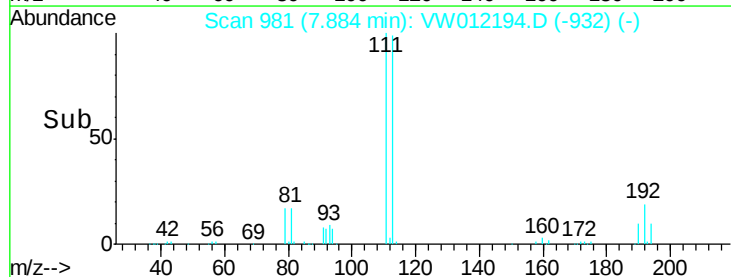
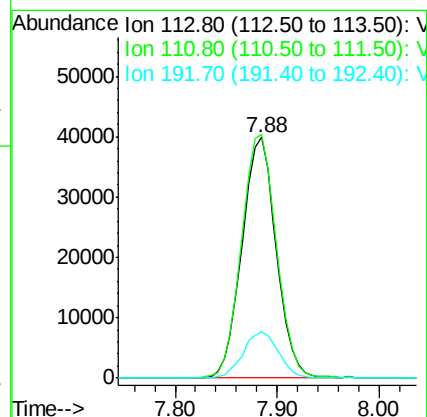
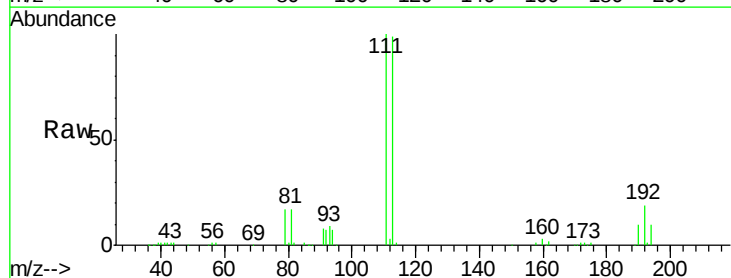
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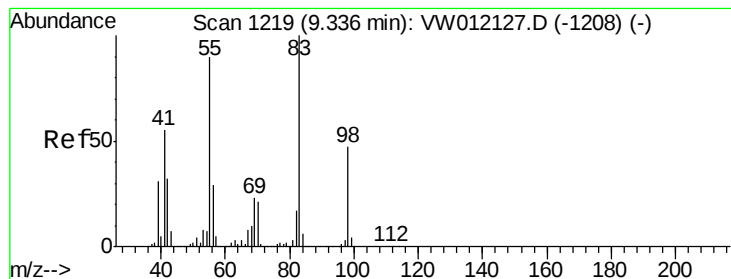
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#35
 Dibromofluoromethane
 Concen: 51.905 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012194.D
 Acq: 27 Aug 2019 01:34

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	103.4	82.7	124.1
192	20.0	16.2	24.2





#39

Methylcyclohexane

Concen: 25.315 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW012194.D

Acq: 27 Aug 2019 01:34

Instrument :

MSVOA_W

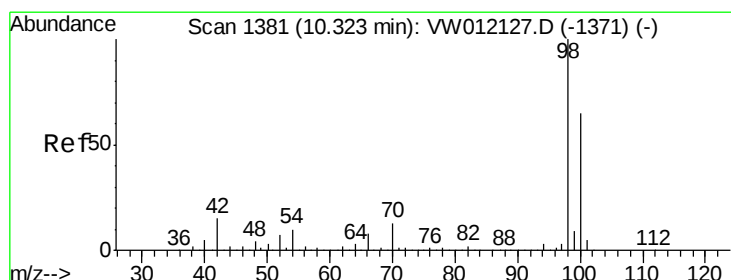
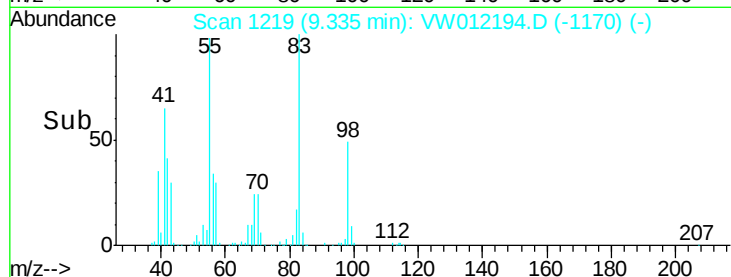
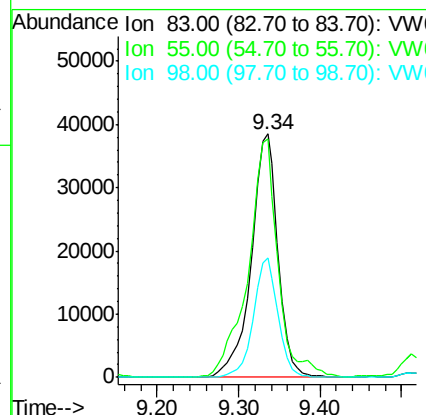
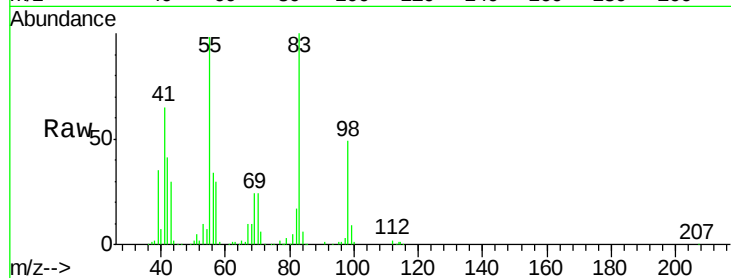
ClientSampled :

B-1

Tot Ion:	83	Resp:	88118
Ion	Ratio	Lower	Upper
83	100		
55	97.7	71.8	107.8
98	48.9	37.8	56.8

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#50

Toluene-d8

Concen: 56.580 ug/l

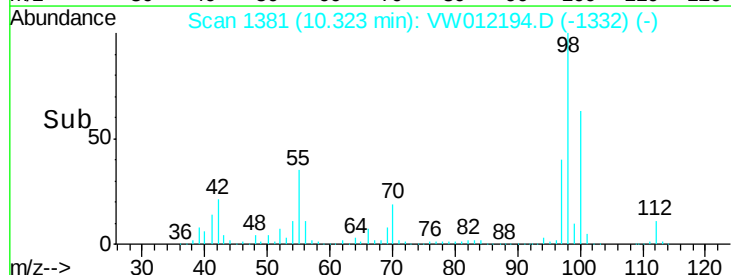
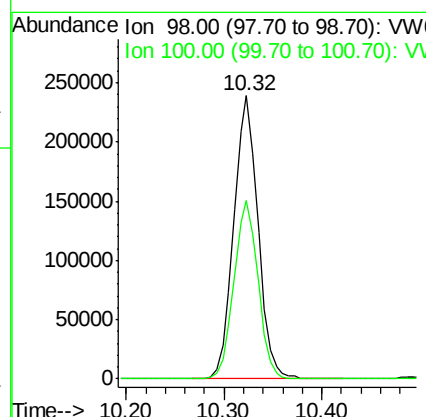
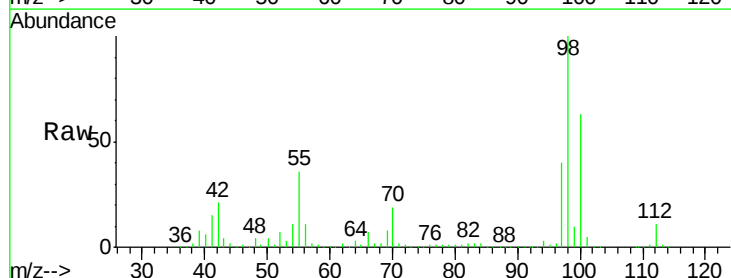
RT: 10.32 min Scan# 1381

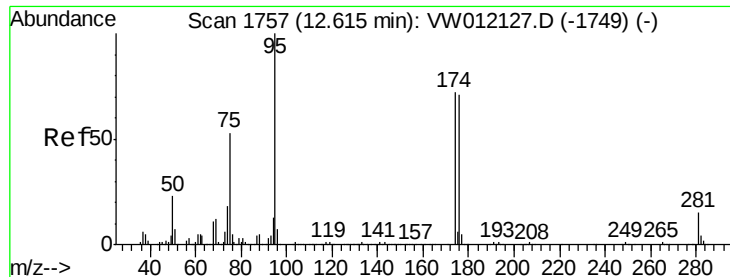
Delta R.T. -0.00 min

Lab File: VW012194.D

Acq: 27 Aug 2019 01:34

Tgt Ion:	98	Resp:	410591
Ion	Ratio	Lower	Upper
98	100		
100	62.2	52.4	78.6





#62

4-Bromofluorobenzene

Concen: 56.571 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012194.D

Acq: 27 Aug 2019 01:34

Instrument :

MSVOA_W

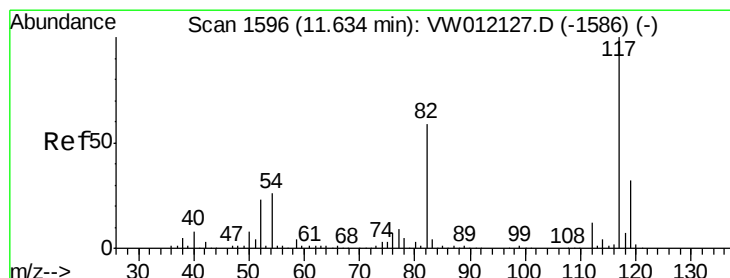
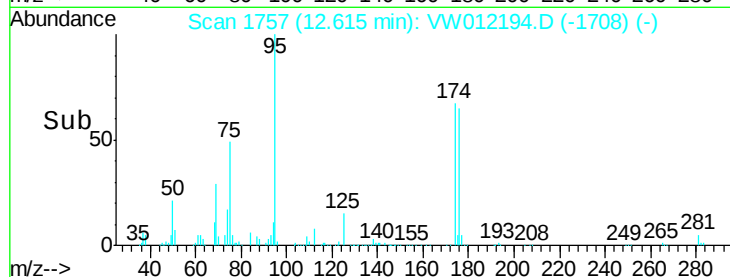
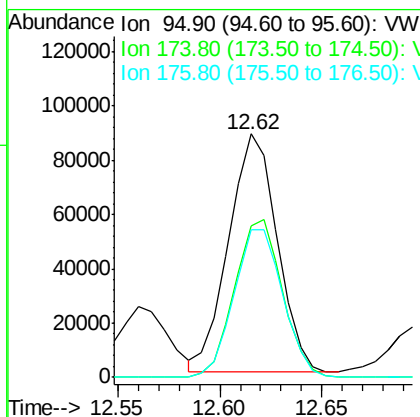
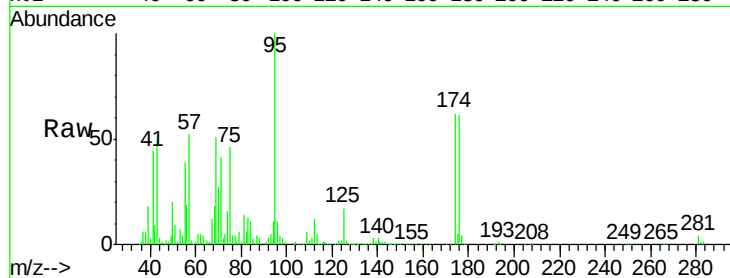
ClientSampleId :

B-1

Tot Ion:	95	Resp:	144710
Ion Ratio	Lower	Upper	
95	100		
174	65.4	0.0	150.8
176	62.8	0.0	148.6

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

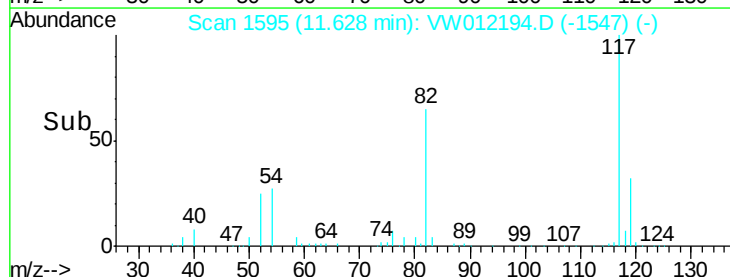
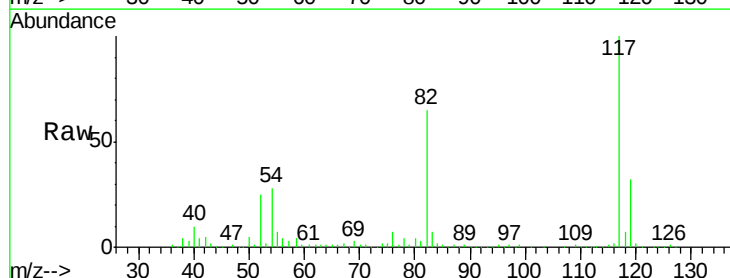
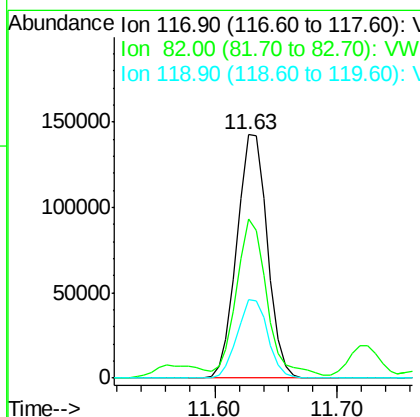
RT: 11.63 min Scan# 1595

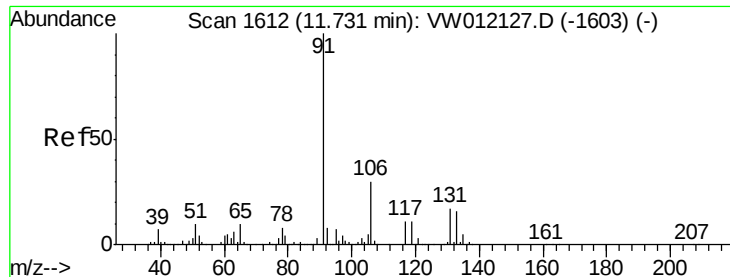
Delta R.T. -0.01 min

Lab File: VW012194.D

Acq: 27 Aug 2019 01:34

Tgt Ion:	117	Resp:	246465
Ion Ratio	Lower	Upper	
117	100		
82	62.6	47.4	71.2
119	32.2	25.4	38.2





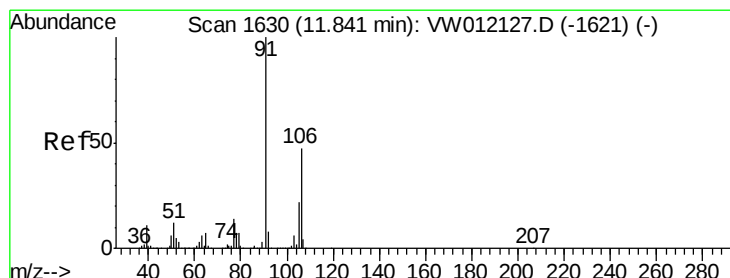
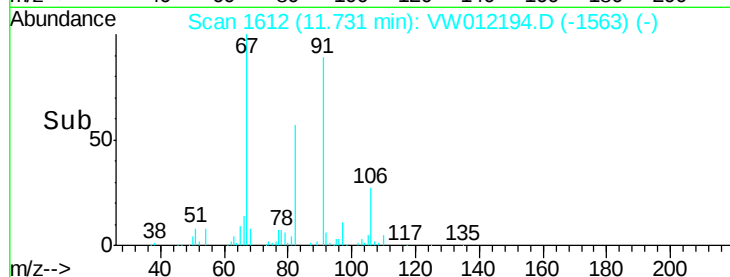
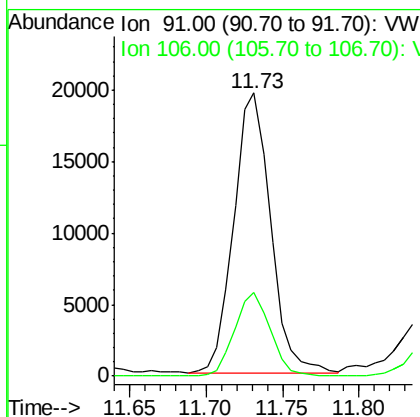
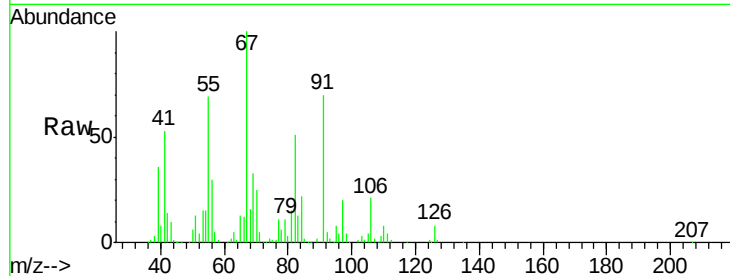
#67
Ethyl Benzene
Concen: 3.505 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012194.D
Acq: 27 Aug 2019 01:34

Instrument :
MSVOA_W
ClientSampleId :
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Tot Ion: 91 Resp: 32769
Ion Ratio Lower Upper
91 100
106 30.0 24.3 36.5

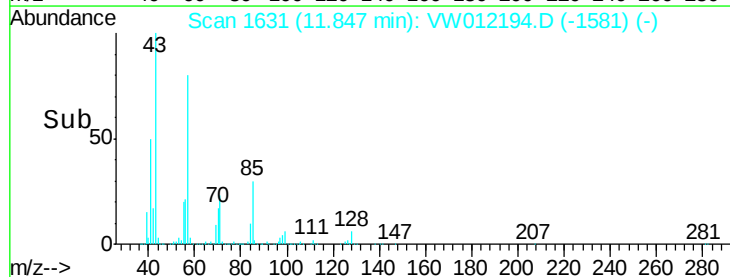
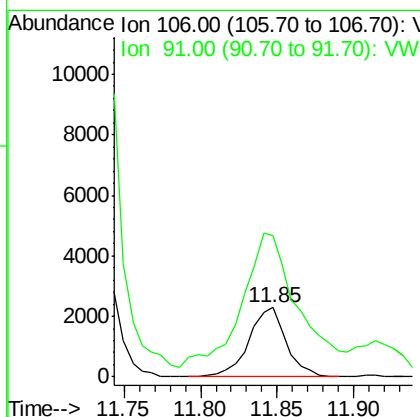
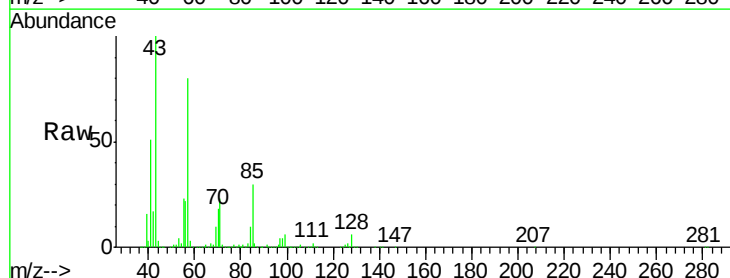
Manual Integrations
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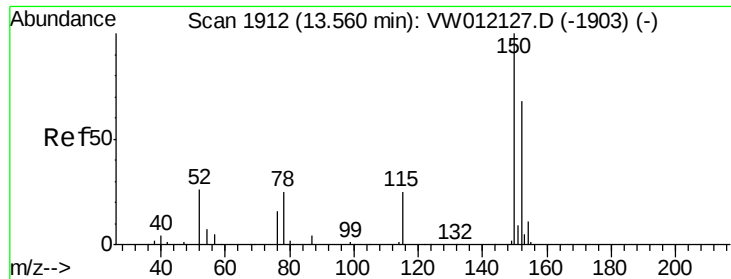
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#68
m/p-Xylenes
Concen: 1.152 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW012194.D
Acq: 27 Aug 2019 01:34

Tgt Ion: 106 Resp: 3880
Ion Ratio Lower Upper
106 100
91 288.7 169.5 254.3#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012194.D

Acq: 27 Aug 2019 01:34

Instrument :

MSVOA_W

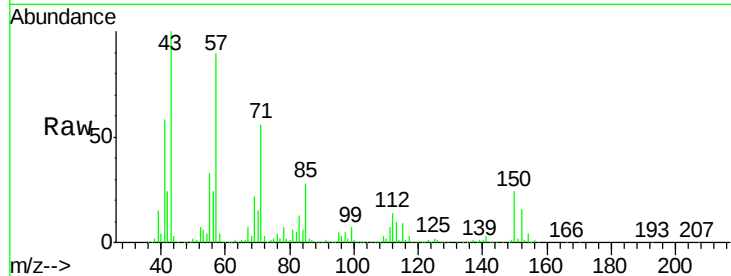
ClientSampled :

B-1

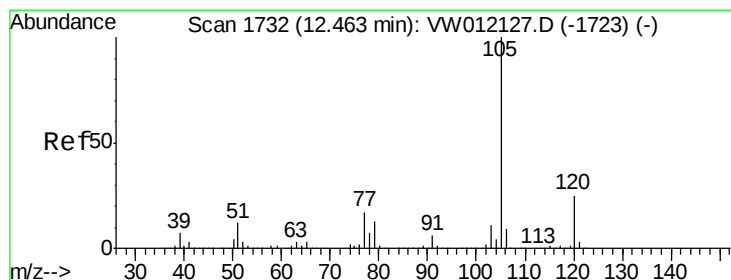
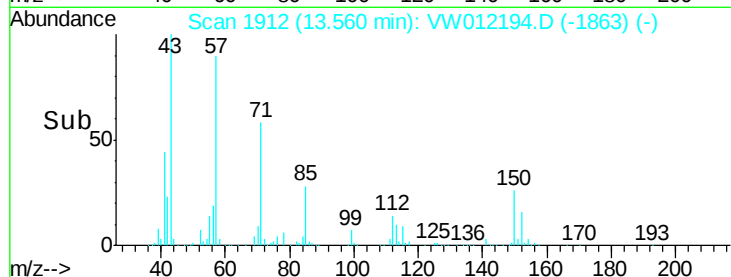
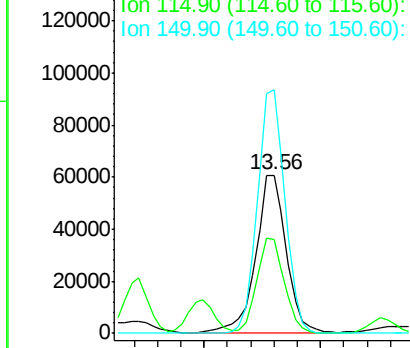
Tot Ion:	152	Resp:	110170
Ion	Ratio	Lower	Upper
152	100		
115	54.3	30.1	90.3
150	139.1	0.0	345.8

Manual Integrations
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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 29.602 ug/l

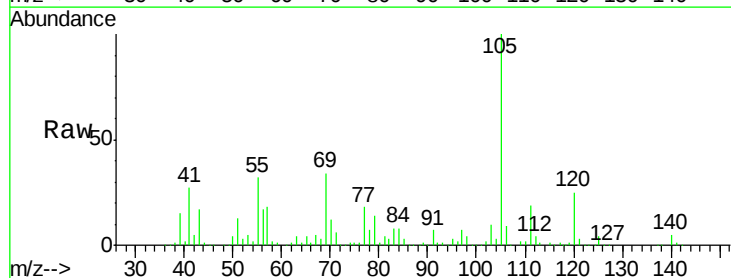
RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

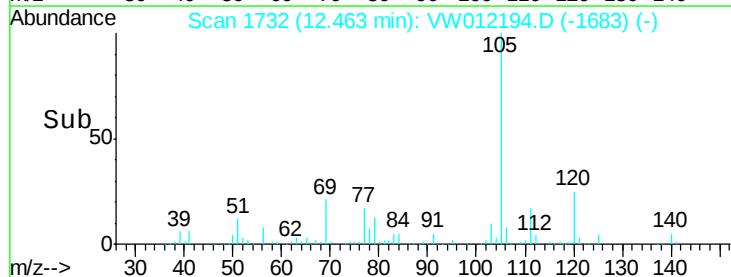
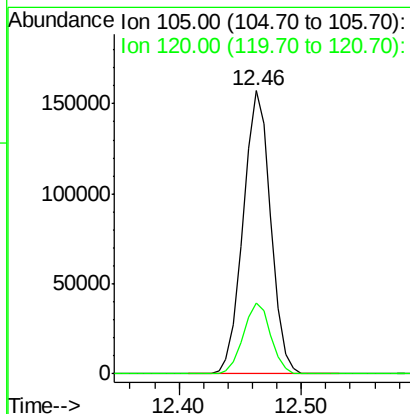
Lab File: VW012194.D

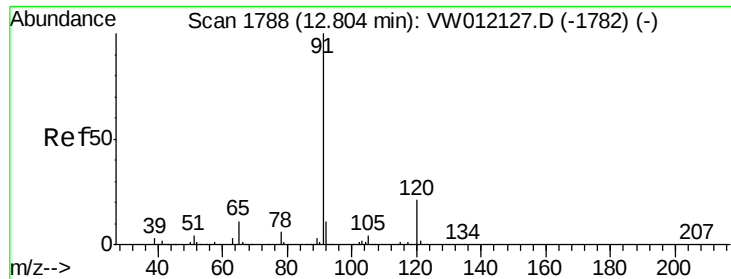
Acq: 27 Aug 2019 01:34

Tgt Ion:	105	Resp:	244373
Ion	Ratio	Lower	Upper
105	100		
120	25.1	12.5	37.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





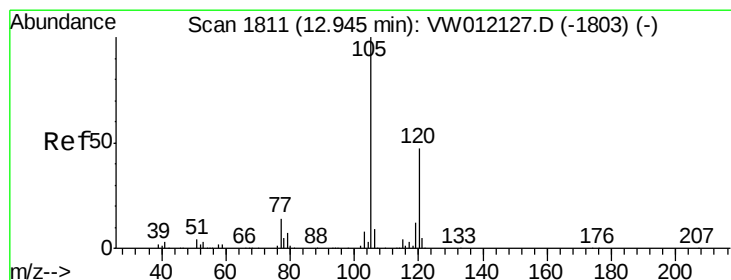
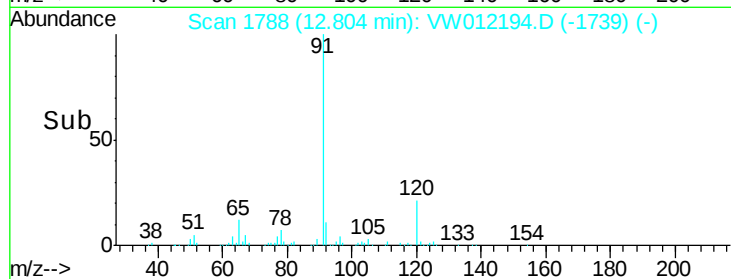
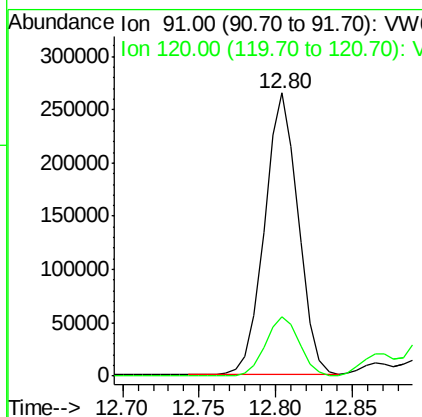
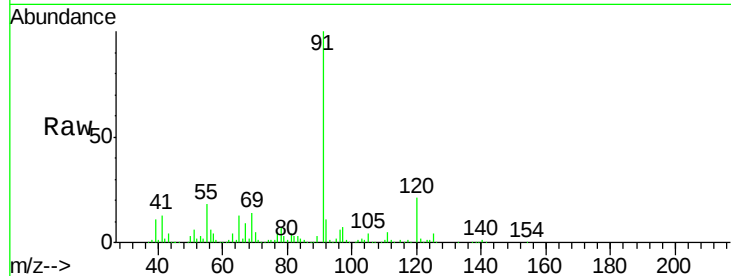
#78
n-propylbenzene
Concen: 40.241 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW012194.D
Acq: 27 Aug 2019 01:34

Instrument :
MSVOA_W
ClientSampled :
B-1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		405544		
120	21.3	10.5	31.6		

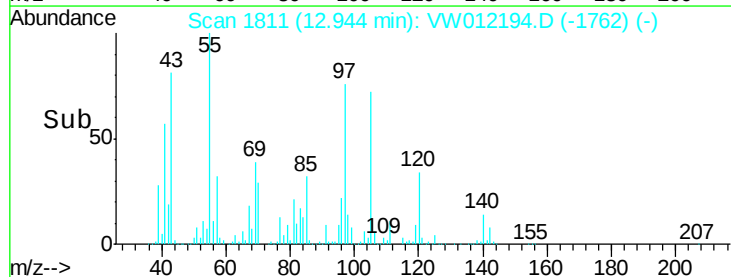
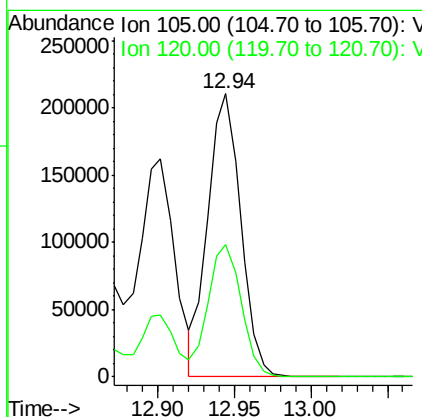
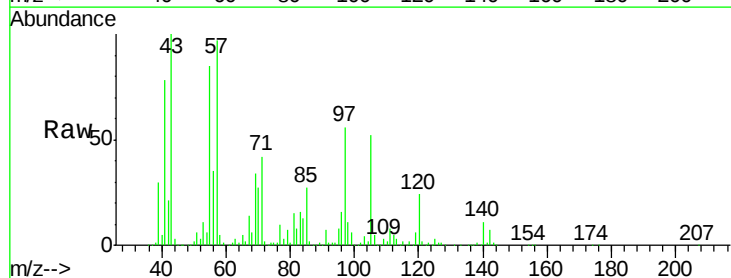
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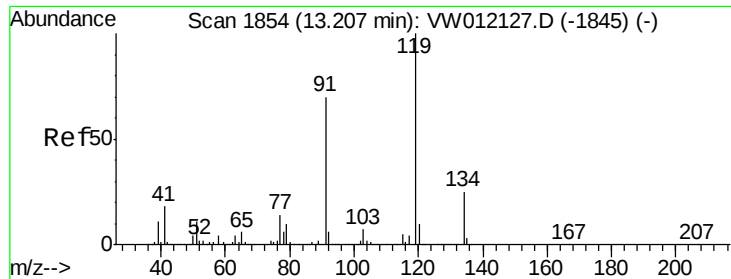
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#80
1,3,5-Trimethylbenzene
Concen: 45.520 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW012194.D
Acq: 27 Aug 2019 01:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		314001		
120	47.4	24.0	72.0		





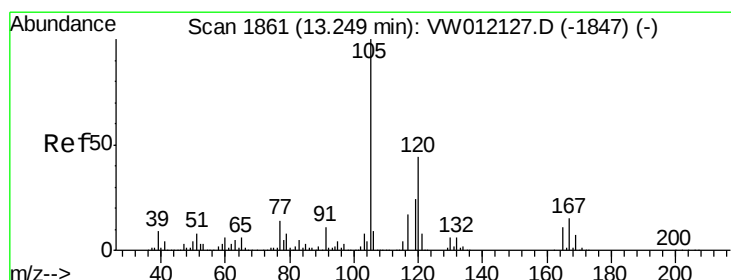
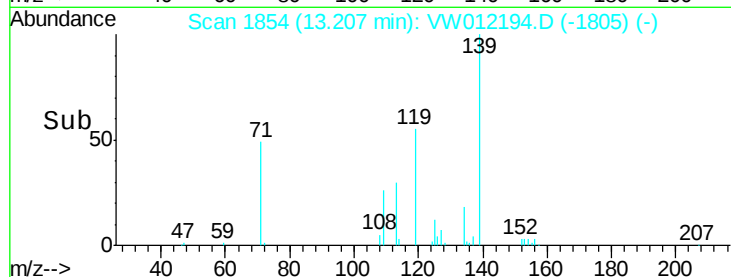
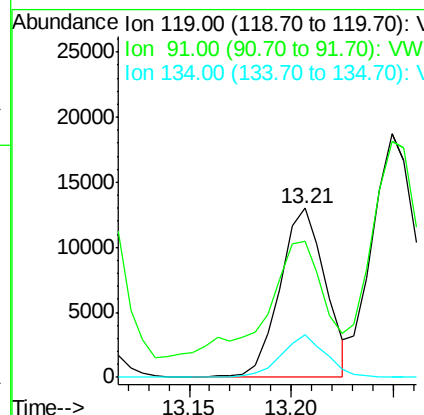
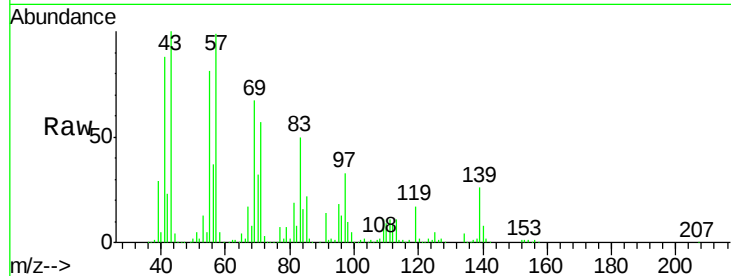
#83
tert-Butylbenzene
Concen: 3.474 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012194.D
Acq: 27 Aug 2019 01:34

Instrument :
MSVOA_W
ClientSampled :
B-1

Tot Ion	Ratio	Lower	Upper
119	100		
91	82.3	34.8	104.3
134	0.0	13.3	39.8

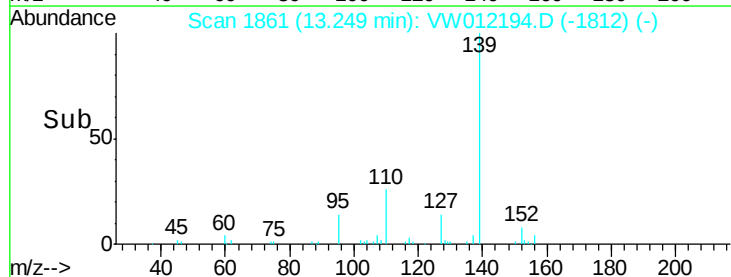
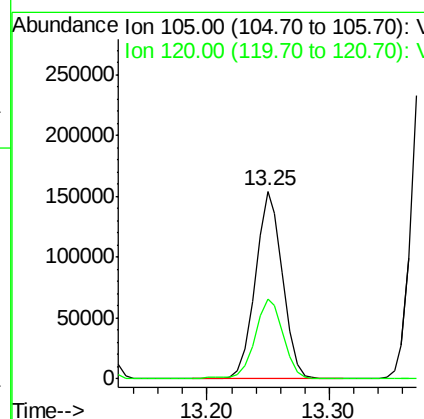
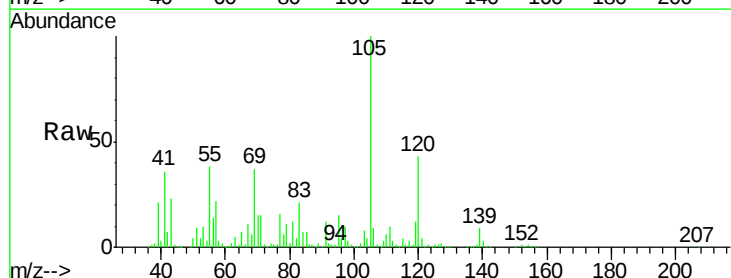
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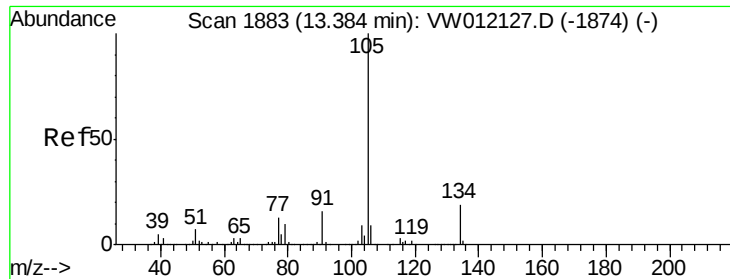
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#84
1,2,4-Trimethylbenzene
Concen: 34.134 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012194.D
Acq: 27 Aug 2019 01:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	21.9	65.7





#85

sec-Butylbenzene

Concen: 85.433 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012194.D

Acq: 27 Aug 2019 01:34

Instrument :

MSVOA_W

ClientSampled :

B-1

Tot Ion:105 Resp: 715195

Ion Ratio Lower Upper

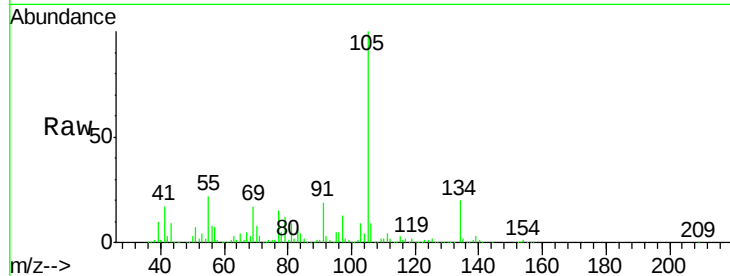
105 100

134 24.0 9.8 29.4

Manual Integrations
APPROVED

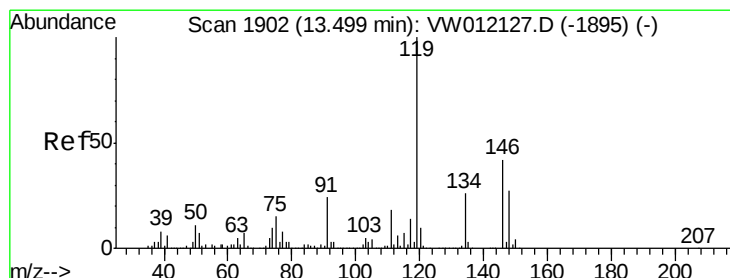
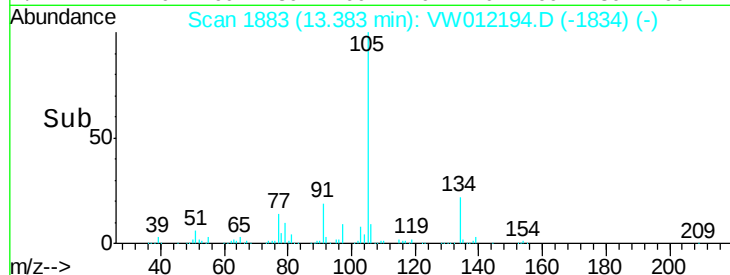
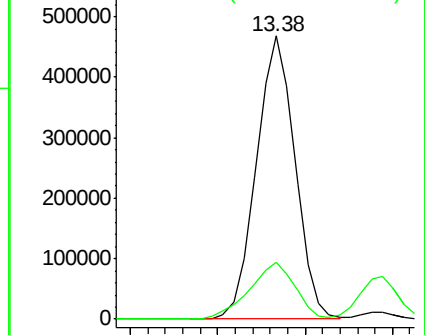
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 35.215 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012194.D

Acq: 27 Aug 2019 01:34

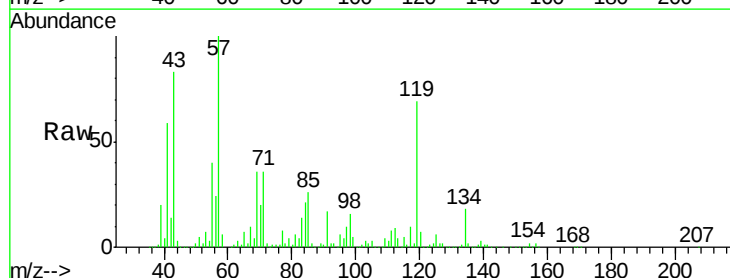
Tgt Ion:119 Resp: 263274

Ion Ratio Lower Upper

119 100

134 25.1 12.8 38.3

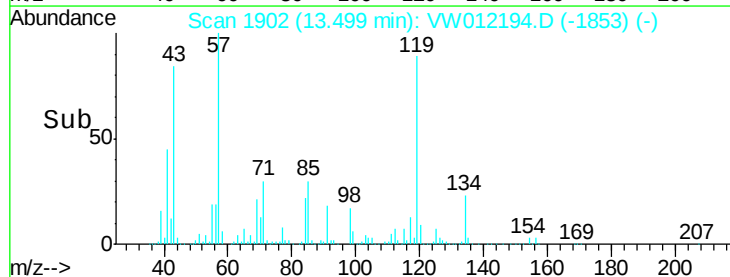
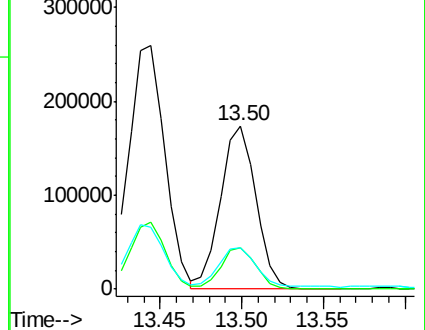
91 24.9 12.3 36.9

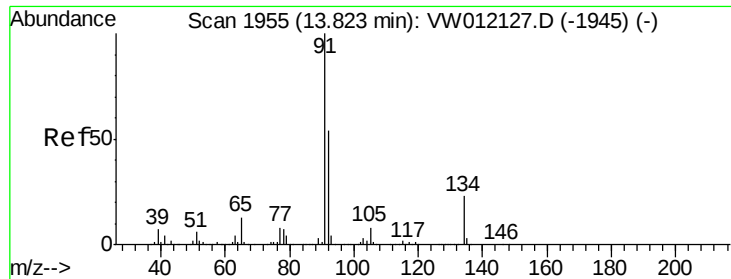


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89
 n-Butylbenzene
 Concen: 52.474 ug/l m
 RT: 13.82 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW012194.D
 Acq: 27 Aug 2019 01:34

Instrument :
 MSVOA_W
 ClientSampleId :
 B-1

Tot Ion	Ratio	Resp Lower	Upper
91	100		
92	60.6	27.1	81.2
134	0.0	12.2	36.4

Manual Integrations
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